Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

- 1. (Previously Presented) A glucagon-like peptide 2 (GLP-2) formulation comprising:
 - (a) a medically useful amount of a naturally occurring GLP-2 or an analog thereof;
 - (b) a phosphate buffer in an amount sufficient to adjust the pH of the formulation to a physiologically tolerable level;
 - (c) L-histidine; and
 - (d) a bulking agent selected from the group consisting of mannitol and sucrose.
- 2. (Original) The GLP-2 formulation of claim 1, wherein the pH of the formulation is greater than about 6.0.
- 3. (Original) The GLP-2 formulation according to claim 2, wherein the pH of the formulation is from about 6.9 to about 7.9.
- 4. (Original) The GLP-2 formulation of claim 3, wherein the pH of the formulation is from about 7.3 to about 7.4.
- 5. (Original) The GLP-2 formulation of claim 1, wherein the GLP-2 peptide or analog thereof is present at a concentration of about 0.1 to about 50 mg/ml.
- 6. (Original) The GLP-2 formulation of claim 5, wherein the GLP-2 peptide or analog thereof is present at a concentration of about 5 to about 40 mg/ml.
- 7. (Original) The GLP-2 formulation of claim 6, wherein the GLP-2 peptide or analog thereof is present at a concentration of about 7 to about 30 mg/ml.
- 8. (Original) The GLP-2 formulation of claim 7, wherein the GLP-2 peptide or analog thereof is present at a concentration of about 10 to about 20 mg/ml.

- 9. (Original) The GLP-2 formulation of claim 8, wherein the L-histidine is present in an amount of about 0.5 to about 1%.
- 10. (Original) The GLP-2 formulation of claim 9, wherein the bulking agent is mannitol.
- 11. (Original) The GLP-2 formulation of claim 10, wherein the mannitol is present at a concentration of about 2 to about 5%.
- 12. (Original) The GLP-2 formulation of claim 11, wherein the mannitol is present at a concentration of about 2.5 to about 3.5%.
- 13. (Original) The GLP-2 formulation of claim 1, wherein the GLP-2 peptide is selected from the group consisting of a mammalian GLP-2 peptide, a vertebrate GLP-2 peptide, and a human GLP-2 peptide.
- 14. (Previously Presented) The GLP-2 formulation of claim 13, wherein the GLP-2 peptide has the sequence of a GLP-2 species from an animal selected from the group consisting of a primate, rat, mouse, porcine species, oxine species, bovine species, degu, hamster, guinea pig, fish, chicken, and human.
- 15. (Previously Presented) The GLP-2 formulation of claim 14, wherein the GLP-2 peptide is h(Gly2)GLP-2.
- 16. (Original) The GLP-2 formulation of claim 1, wherein the GLP-2 analog is identified by a process comprising:
 - (a) screening peptides against cells genetically engineered to produce the GLP-2 receptor, and
 - (b) identifying peptides which bind to the GLP-2 receptor, wherein such peptides are identified as GLP-2 peptides useful in the formulation of claim 1.

- 17. (Currently Amended) The GLP-2 formulation of claim 1, wherein the GLP-2 peptide is an analog of natural GLP-2, the analog having:
 - (a) one or more amino acid substitutions, additions, deletions, or modifications; and
 - (b) <u>GLP-2 receptor binding biological</u> activity.
- 18. (Original) The GLP-2 formulation of claim 1, wherein the GLP-2 peptide is an analog which has been altered to confer resistance to endogenous enzymes.
- 19. (Original) The GLP-2 formulation of claim 18, wherein the alteration comprises substitution of the alanine residue at position 2 of GLP-2 with another suitable amino acid.
- 20. (Original) The GLP-2 formulation of claim 19, wherein the alanine residue at position 2 is substituted with glycine or serine.
- 21. (Original) The GLP-2 formulation of claim 1, wherein the GLP-2 analog is a GLP-2 receptor antagonist.
 - 22. (Original) The GLP-2 formulation of claim 1 in lyophilized form.
- 23. (Original) The lyophilized formulations of claim 22, comprising less than about 5% water by weight.
- 24. (Original) The lyophilized formulations of claim 23, comprising 2% or less water by weight.
- 25. (Previously Presented) The GLP-2 formulation of claim 15, which is stable at ambient temperature for up to 6 months, as evidenced by GLP-2 peptide degradation of less than about 5% during this time period.
- 26. (Previously Presented) The GLP-2 formulation of claim 25, wherein less than about 4% peptide degradation is observed after storage of the GLP-2 formulation during the time period.

- 27. (Previously Presented) The GLP-2 formulation of claim 26, wherein less than about 2% peptide degradation is observed after storage of the GLP-2 formulation during the time period.
- 28. (Previously Presented) The GLP-2 formulation of claim 1, which is stable at a temperature of about 4°C for up to 18 months, as evidenced by GLP-2 peptide degradation of less than about 5% during this time period.
- 29. (Previously Presented) The GLP-2 formulation of claim 28, wherein less than about 4% peptide degradation is observed after storage of the GLP-2 during the time period.
- 30. (Original) The GLP-2 formulation of claim 29, wherein less than about 2% peptide degradation is observed after storage of the GLP-2 formulation during the time period.
 - 31. (Original) A GLP-2 formulation comprising:
 - (a) about 0.1 to about 50 mg/ml of a GLP-2 peptide or an analog thereof;
 - (b) a phosphate buffer in an amount sufficient to adjust the pH of the formulation to a pharmaceutically tolerable level;
 - (c) about 0.5 to about 1% L-histidine; and
 - (d) about 2 to about 5% mannitol.
- 32. (Previously Presented) The GLP-2 formulation of claim 31, wherein the GLP-2 is h(Gly2)GLP-2.
- 33. (Original) The GLP-2 formulation of claim 32, wherein the formulation is lyophilized.
- 34. (Original) The GLP-2 formulation of claim 32, wherein the pH of the formulation is selected from the group consisting of greater than about 6.0, and from about 6.9 to about 7.9.
- 35. (Original) The GLP-2 formulation of claim 34, wherein the pH of the formulation is from about 7.3 to about 7.4.

- 36. (Original) A method for making a lyophilized formulation of GLP-2 comprising the following steps:
 - (a) preparing a GLP-2 formulation comprising:
 - (i) a GLP-2 peptide or an analog thereof;
 - (ii) a phosphate buffer in an amount sufficient to adjust the pH of the formulation to a pharmaceutically tolerable level;
 - (iii) L-histidine; and
 - (iv) a bulking agent selected from the group consisting of mannitol and sucrose;
 - (b) freezing the formulation to -40° C;
 - (c) drying the formulation in a first drying step at -20°C; and
 - (d) drying the formulation in a second drying step at +20°C.
- 37. (Original) The method of claim 36, wherein the pH of the GLP-2 formulation prior to freezing is selected from the group consisting of greater than about 6.0, and from about 6.9 to about 7.9.
- 38. (Original) The method of claim 37, wherein the pH of the formulation is from about 7.3 to about 7.4.
- 39. (Original) The method of claim 36, wherein the freezing process of step (b) comprises:
 - (a) cooling the formulation from ambient temperature to about -1°C at about 2°C/minute, followed by maintaining the formulation at about -1°C for about 15 minutes; and
 - (b) cooling the formulation from about -1°C to about -40°C at about 2°C/minute, followed by maintaining the formulation at about -40°C for about 4 hours.

- 40. (Original) The method of claim 36, wherein the drying process of step (c) comprises:
 - (a) raising the temperature from about -40°C to about -20°C at about 2°C/minute; and
 - (b) maintaining the formulation at about -20°C for about 14 hours under a vacuum of about 150 mT with a condenser temperature of about 80°C.
- 41. (Original) The method of claim 36, wherein the drying process of step (d) comprises:
 - (a) warming the formulation from about -20°C to about +20°C at about 2°C/minute;
 - (b) maintaining the formulation at about +20°C for about 14 hours at a vacuum of about 150 mT and a condenser temperature of about -80°C until there is less than about 5% of water remaining in the formulation.
- 42. (Previously Presented) The method of claim 41, wherein the formulation is maintained at about +20°C, at a vacuum of about 150 mT and a condenser temperature of about -80°C, until there is about 2% or less of water remaining in the formulation.
 - 43. (Original) A kit comprising:
 - (a) a lyophilized GLP-2 formulation comprising:
 - (i) a GLP-2 peptide or an analog thereof;
 - (ii) a phosphate buffer in an amount sufficient to adjust the pH of the formulation to a pharmaceutically acceptable level;
 - (iii) L-histidine; and
 - (iv) a bulking agent selected from the group consisting of mannitol and sucrose;
 - (b) a vial of sterile water for reconstitution; and
 - (c) instructions directing reconstitution.

- 44. (Original) The kit of claim 43, wherein the pH of the GLP-2 formulation is selected from the group consisting of greater than about 5.5, greater than about 6.0, and from about 6.9 to about 7.9.
- 45. (Original) The kit of claim 44, wherein the pH of the formulation is from about 7.3 to about 7.4.
- 46. (Original) The kit of claim 43 further comprising an injection device for administration.
- 47. (Original) The kit of claim 43, wherein following reconstitution the GLP-2 formulation is stable for at least about 12 hours.
- 48. (Original) The kit of claim 43, wherein following reconstitution the GLP-2 formulation is stable for up to about 24 hours.
- 49. (Previously Presented) A method for treating a human or animal having a gastrointestinal disorder, disease or condition for which treatment with GLP-2 is indicated, the method comprising the step of administering a therapeutically effective amount of a GLP-2 formulation comprising:
 - (a) a GLP-2 peptide or an analog thereof;
 - (b) a phosphate buffer in an amount sufficient to adjust the pH of the formulation to a pharmaceutically tolerable level;
 - (c) L-histidine; and
- (d) a bulking agent selected from the group consisting of mannitol and sucrose, thereby enhancing, maintaining, or promoting the growth or functioning of the gastrointestinal tract.
- 50. (Original) The method of claim 49, wherein the pH of the GLP-2 formulation is selected from the group consisting of greater than about 5.5, greater than about 6.0, and from about 6.9 to about 7.9.

- 51. (Original) The method of claim 50, wherein the pH of the formulation is from about 7.3 to about 7.4.
- 52. (Previously Presented) The method of claim 49, wherein the GLP-2 treatment is for a gastrointestinal disorder, disease or condition.
- 53. (Original) The method of claim 49, wherein the GLP-2 formulation is administered by injection.
- 54. (Original) The method of claim 49, wherein the GLP-2 formulation is administered by infusion.
 - 55. (Previously Presented) A GLP-2 formulation comprising:
 - (a) a medically useful amount of a naturally occurring GLP-2 peptide or an analog thereof;
 - (b) a phosphate buffer in an amount sufficient to adjust the pH of the formulation to a physiologically tolerable level;
 - (c) L-histidine in an amount sufficient to stabilize the formulation; and
 - (d) a bulking agent selected from the group consisting of mannitol and sucrose.
 - 56. (Canceled).
 - 57. (Canceled).
- 58. (Previously Presented) The GLP-2 formulation of claim 1, wherein said GLP-2 analog has one or more amino acid substitutions, additions, deletions, or modifications and has GLP-2 receptor binding activity.
- 59. (Previously Presented) The GLP-2 formulation of claim 21, wherein the GLP-2 receptor antagonist has either (1) an amino acid substitution selected from the group consisting of Asp¹⁵, Phe²², Thr²⁹, Thr³², Asp³³, and combinations thereof; or (2) an amino acid substitution of Ala at position 2 by an amino acid selected from the group consisting of Leu, Cys, Gglu, Arg, Trp and PO₃-Tyr.

- 60. (Previously Presented) The GLP-2 formulation of claim 31, wherein said GLP-2 analog has one or more amino acid substitutions, additions, deletions, or modifications and has GLP-2 receptor binding activity.
- 61. (Previously Presented) The method of claim 36, wherein said GLP-2 analog has one or more amino acid substitutions, additions, deletions, or modifications and has GLP-2 receptor binding activity.
- 62. (Previously Presented) The kit of claim 43, wherein said GLP-2 analog has one or more amino acid substitutions, additions, deletions, or modifications, and has GLP-2 receptor binding activity.
- 63. (Previously Presented) The method of claim 49, wherein said GLP-2 analog has one or more amino acid substitutions, additions, deletions, or modifications and has GLP-2 receptor binding activity.
- 64. (Previously Presented) The GLP-2 formulation of claim 1, wherein the GLP-2 peptide is h(Gly2)GLP-2.
- 65. (Previously Presented) The GLP-2 formulation of claim 2, wherein the GLP-2 peptide is h(Gly2)GLP-2.
- 66. (Previously Presented) The GLP-2 formulation of claim 3, wherein the GLP-2 peptide is h(Gly2)GLP-2.
- 67. (Previously Presented) The GLP-2 formulation of claim 4, wherein the GLP-2 peptide is h(Gly2)GLP-2.
- 68. (Previously Presented) The GLP-2 formulation of claim 5, wherein the GLP-2 peptide is h(Gly2)GLP-2.
- 69. (Previously Presented) The GLP-2 formulation of claim 6, wherein the GLP-2 peptide is h(Gly2)GLP-2.

- 70. (Previously Presented) The GLP-2 formulation of claim 7, wherein the GLP-2 peptide is h(Gly2)GLP-2.
- 71. (Previously Presented) The GLP-2 formulation of claim 8, wherein the GLP-2 peptide is h(Gly2)GLP-2.
- 72. (Previously Presented) The GLP-2 formulation of claim 9, wherein the GLP-2 peptide is h(Gly2)GLP-2.
- 73. (Previously Presented) The GLP-2 formulation of claim 10, wherein the GLP-2 peptide is h(Gly2)GLP-2.
- 74. (Previously Presented) The GLP-2 formulation of claim 11, wherein the GLP-2 peptide is h(Gly2)GLP-2.
- 75. (Previously Presented) The GLP-2 formulation of claim 12, wherein the GLP-2 peptide is h(Gly2)GLP-2.
- 76. (Previously Presented) The GLP-2 formulation of claim 13, wherein the GLP-2 peptide is h(Gly2)GLP-2.
- 77. (Previously Presented) The kit of claim 45, wherein the GLP-2 peptide is h(Gly2)GLP-2.
- 78. (Previously Presented) The method of claim 50, wherein the GLP-2 peptide is h(Gly2)GLP-2.